L Number	Hits	Search Text	DB	Time stamp
- Marimet	185	83/178	USPAT;	2004/05/24
			US-PGPUB;	17:37
			EPO; JPO;	
			DERWENT;	
		/	IBM_TDB	0004/05/04
-	111	83/185	USPAT;	2004/05/24
	40	02/105 and /tube on mine)	US-PGPUB USPAT;	17:38 2004/05/24
-	49	83/185 and (tube or pipe)	US-PGPUB	17:40
_	57	83/191 and (tube or pipe)	USPAT;	2004/05/24
	.	55, 131 and (5ab 51 paps)	US-PGPUB	17:47
-	55	83/582 and (tube or pipe)	USPAT;	2004/05/24
			US-PGPUB	17:49
-	52	83/588 and (tube or pipe)	USPAT;	2004/05/24
			US-PGPUB	17:51
-	19	83/627 and (tube or pipe)	USPAT;	2004/05/24
	45	 83/628 and (tube or pipe)	US-PGPUB USPAT;	17:51 2004/05/24
_	45	03/020 and (tube of pipe)	US-PGPUB	17:53
_	70	83/914 and (tube or pipe)	USPAT;	2004/05/24
	, 3		US-PGPUB	17:54
	24	83/916 and (tube or pipe)	USPAT;	2004/05/24
			US-PGPUB	18:24
	65	83/917 and (tube or pipe)	USPAT;	2004/05/24
			US-PGPUB	18:26
-	1850	83/\$.ccls. and ((tube or pipe) same	USPAT;	2004/05/25
	361	(cutting or trimming or notching))	US-PGPUB USPAT;	2004/05/25
_	361	83/54 and ((tube or pipe) same (cutting or trimming or notching))	US-PGPUB	10:01
_	10	83/36 and ((tube or pipe) same (cutting	USPAT;	2004/05/25
-	1	or trimming or notching))	US-PGPUB	10:01
_	12	83/471 and ((tube or pipe) same (cutting	USPAT;	2004/05/25
		or trimming or notching))	US-PGPUB	10:02
-	40	83/452 and ((tube or pipe) same (cutting	USPAT;	2004/05/25
	Δ	or trimming or notching))	US-PGPUB	10:03
-	93	82/46 and ((tube or pipe) same (cutting	USPAT;	2004/05/25
	004	or trimming or notching))	US-PGPUB USPAT;	10:07
_	824	82/\$.ccls. and ((tube or pipe) same (cutting or trimming or notching))	US-PGPUB	10:07
_	241	82/\$.ccls. and ((tube or pipe) same	USPAT;	2004/05/25
	2.12	(cutting or trimming or notching)) and	US-PGPUB	10:16
		sliding		1
-	5	1	USPAT;	2004/05/25
		or trimming or notching)) and sliding	US-PGPUB	10:17
_	13	83/189 and ((tube or pipe) same (cutting	USPAT;	2004/05/25
_	2737791	or trimming or notching)) 30/(90-102).ccls. and ((tube or pipe)	US-PGPUB USPAT;	10:20 2004/05/25
_	2/3//91	same (cutting or trimming or notching))	US-PGPUB	10:19
_	8	30/90 and ((tube or pipe) same (cutting	USPAT;	2004/05/25
]	or trimming or notching))	US-PGPUB	10:27
-	0	83/471.2-477.1.ccls	USPAT;	2004/05/25
			US-PGPUB	10:23
_	1720	83/471.2-477.1.ccls.	USPAT;	2004/05/25
		20/01 2 //1 / / / /-	US-PGPUB	10:23
_	45	30/91.2 and ((tube or pipe) same (cutting or trimming or notching))	USPAT; US-PGPUB	2004/05/25
_	1	or trimming or notching) "6688207"	USPAT;	2004/05/25
		0000207	US-PGPUB	10:47
-	1	"6695191"	USPAT;	2004/05/25
	_		US-PGPUB	10:47
_	295	30/90.6	USPAT;	2004/05/25
		,	US-PGPUB	10:48
-	489	385/75	USPAT;	2004/05/25
	1.0	#5345053#	US-PGPUB	10:49
_	10	"5345952"	USPAT; US-PGPUB	2004/05/25
_	345	83/\$.ccls. and (rotating near3 cam)	US-PGPUB USPAT;	2004/05/25
	343	1 100, 7. Colb. with (locality meals cam)	US-PGPUB	11:17
-	6618	(rotating near3 cam) same shaft	USPAT;	2004/05/25
I			US-PGPUB	11:17

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-	2511	(rotating near2 cam) near4 shaft	USPAT; US-PGPUB	2004/05/25 11:17
-	1969	(rotating near2 cam) near2 shaft	USPAT; US-PGPUB	2004/05/25 11:17
-	1160	(rotating near1 cam) near2 shaft	USPAT; US-PGPUB	2004/05/25 11:24
-	187	((rotating near1 cam) near2 shaft) and	USPAT; US-PGPUB	2004/05/25 11:19
-	973	cutting ((rotating nearl cam) near2 shaft) not (((rotating nearl cam) near2 shaft) and	USPAT; US-PGPUB	2004/05/25 11:35
_	194	<pre>cutting) (((rotating near1 cam) near2 shaft) not (((rotating near1 cam) near2 shaft) and cutting)) and eccentric</pre>	USPAT; US-PGPUB	2004/05/25 11:35
-	5	("2327646" "4079647" "4579029" "4622793" "4833958").PN.	USPAT	2004/05/25 11:41
-	13	4987811.URPN.	USPAT	2004/05/25 11:41
-	1	"2812619".PN.	USPAT	2004/05/25 11:42
-	7	4230010.URPN.	USPAT	2004/05/25
	40	("0155347" "0211619" "0374464" "0524691" "0706279" "1384696" "1431641" "1594155" "1665805" "1847273" "2431567" "2708970" "2882971" "3170349" "3465634" "3469481" "3779113" "4007653" "4166403" "4420314" "4257292" "4696211" "4987811" "5025691" "5056392" "5176057" "5214991" "5259225" "5438897" "5444908" "5632188" "5697278" "5752424" "5839341" "5871788" "5943934" "6076447" "6152005" "6289709"	USPAT	2004/05/25 11:43
-	0	6698324.URPN.	USPAT	2004/05/25 11:44
-	0	6698324.URPN.	USPAT	2004/05/25
-	14	("0756902" "0909285" "1243656" "1312067" "1553378" "2745492" "3387525" "3768359" "3968713" "3987695" "4987811" "5178049" "5588344" "5664473").PN.	USPAT	2004/05/25
-	1	6269721.URPN.	USPAT	2004/05/25 11:45
-	1719	(tube or pipe) and holder and tool and rotating and cam	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/05/25
_	17	(tube or pipe) same holder same tool same rotating same cam	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/05/25 18:02
_	342	(tube or pipe) and holder and tool and rotating and cam and reciprocating	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/05/25 18:04
-	1719	((tube or pipe) and holder and tool and rotating and cam) not (((tube or pipe) same holder same tool same rotating same cam) and ((tube or pipe) and holder and tool and rotating and cam and reciprocating))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/25 18:22

-	1702	((tube or pipe) and holder and tool and	USPAT;	2004/05/25
		rotating and cam) not ((tube or pipe)	US-PGPUB;	18:23
		same holder same tool same rotating same	EPO; JPO;	
		cam)	DERWENT;	
			IBM_TDB	
-	1377	_ , ,	USPAT;	2004/05/25
		rotating and cam) not ((tube or pipe)	US-PGPUB;	18:24
		and holder and tool and rotating and cam	EPO; JPO;	
		and reciprocating)	DERWENT;	
			IBM_TDB	0004/05/06
-	129	((tube or pipe) near4 cutting) and holder	USPAT;	2004/05/26
		and tool and rotating and cam	US-PGPUB;	07:44
			EPO; JPO; DERWENT;	l l
			IBM TDB	
_	271	((tube or pipe) near4 cutting) and holder	USPAT;	2004/05/26
-	2/1	and rotating and cam	US-PGPUB;	07:44
		and locating and cam	EPO; JPO;	07.33
			DERWENT;	
ŀ			IBM TDB	
l _	142	(((tube or pipe) near4 cutting) and	USPAT;	2004/05/26
		holder and rotating and cam) not ((tube	US-PGPUB;	07:45
]		or pipe) near4 cutting) and holder and	EPO; JPO;	
	}	tool and rotating and cam)	DERWENT;	
		·	IBM TDB	
-	0	383/188	USPĀT;	2004/05/26
1			US-PGPUB	10:10
-	172	83/188	USPAT;	2004/05/26
			US-PGPUB	10:20
-	38	83/188	USOCR	2004/05/26
				10:22
-	29	83/189	USPAT;	2004/05/26
			US-PGPUB	10:24
-	11	83/189	USOCR	2004/05/26
	1 110	00/101	HCDAM.	10:44
-	148	83/191	USPAT; US-PGPUB	11:08
	53	83/191	USOCR	2004/05/26
_		03/131	050011	11:11
-	72	83/178-195.ccls. and cam	USPAT;	2004/05/26
	, -	00, 2, 0 130, 0023, 4114, 0411	US-PGPUB	11:12
_	567	83/178-195.ccls.	USPAT;	2004/05/26
			US-PGPUB	11:12
_	72	83/178-195.ccls. and cam	USPAT;	2004/05/26
			US-PGPUB	11:17
-	325	82/\$.ccls. and (tube or pipe) and cutting	USPAT;	2004/05/26
		and cam	US-PGPUB	11:33
-	672	82/\$.ccls. and (tube or pipe) and cutting	USOCR	2004/05/26
		and cam		13:29
-	10	"2670795"	USPAT;	2004/05/26
	1 11	"2120142"	US-PGPUB USPAT;	13:32
-	14	"3120143"	US-PGPUB	13:35
_	14	"3234838"	USPAT;	2004/05/26
-	14	3234030	US-PGPUB	13:37
_	4	"3455196"	USPAT;	2004/05/26
	1		US-PGPUB	13:38
-	10	"3762263"	USPAT;	2004/05/26
			US-PGPUB	13:40
-	6	"3921482"	USPAT;	2004/05/26
	1		US-PGPUB	13:40
-	14	"3924502"	USPAT;	2004/05/26
			US-PGPUB	13:48
-	15	"3971275"	USPAT;	2004/05/26
			US-PGPUB	13:49
-	206	(eccentric near2 cam) and shaft and	USPAT;	2004/05/26
		reciprocating and cutting and (tube or	US-PGPUB	14:03
_	206	pipe) (eccentric near2 cam) and shaft and	USPAT;	2004/05/26
	200	reciprocating and (cutting and (tube or	US-PGPUB	14:39
		pipe))	55 15105	
		1 5 - 5 - 7	 	<u> </u>

-	0	((eccentric near2 cam) and shaft and	USPAT;	2004/05/26
İ		reciprocating and (cutting and (tube or	US-PGPUB	14:03
		pipe))) not ((eccentric near2 cam) and		
		shaft and reciprocating and cutting and		
		(tube or pipe))		0004405405
-	514	·	USPAT;	2004/05/26
	200	cutting and (tube or pipe)	US-PGPUB	14:04
1 -	308	, ,	USPAT;	2004/05/26
		cutting and (tube or pipe)) not	US-PGPUB	14:04
		((eccentric near2 cam) and shaft and reciprocating and (cutting and (tube or		i
		reciprocating and (cutting and (tube or pipe)))		1
_	232		USOCR	2004/05/26
-	232	reciprocating and (cutting and (tube or	03000	14:05
		pipe))		14.05
_	153	• • ' '	USOCR	2004/05/26
	100	reciprocating and (cutting same (tube or	o book	14:05
		pipe))	İ	
_	12	3120143.URPN.	USPAT	2004/05/26
				14:32
-	3	3455196.URPN.	USPAT	2004/05/26
				14:33
-	5	("3495615" "3606565" "3617145"	USPAT	2004/05/26
		"3620115" "0114446").PN.		14:33
-	8	3762263.URPN.	USPAT	2004/05/26
1				14:34
-	19	,	USPAT	2004/05/26
		"2225272" "2473654" "3093023"		14:34
		"3117375" "3651569" "3802793"		
		"3924502" "4014063" "4099310"		
		"4488467" "4825543" "5018275"		
		"5125690" "5129158" "5203083"		
		"5285576").PN.	110 5 5	2004/05/26
-	4	5600862.URPN.	USPAT	2004/05/26 14:35
1_	8	3292473.URPN.	USPAT	2004/05/26
-	٥	5292475.0RFN.	OSFAI	14:36
_	8	3292473.URPN.	USPAT	2004/05/26
	Ĭ	3232173.0111.	******	14:36
_	14	("1946926" "2079974" "3292473"	USPAT	2004/05/26
		"4329899" "4462290" "4919025"		14:37
		"4939967" "4987808" "5074018"		
		"5097576" "5133492" "5143268"		
		"5313862" "5826479").PN.		
-	0	5931075.URPN.	USPAT	2004/05/26
]	5004.075		14:38
-	0	5931075.URPN.	USPAT	2004/05/26
1		(#0752001# #2641050# #2067203#	Hansa	14:38
~	15	("2753001" "3641858" "3867081" "3018336" "4165665" "4463300"	USPAT	2004/05/26
		"3918336" "4165665" "4462290" "4515047" "4621554" "4635511"		14:38
		"4515047" "4621554" "4635511" "4712461" "4919025" "4956987"		
		"5040397" "5063801" "5301584").PN.		
1_	2	5826479.URPN.	USPAT	2004/05/26
1	2	, 0020173. ONEM.	1 22171	14:38
-	99	(rotating near2 cam) and shaft and	USPAT;	2004/05/26
1		reciprocating and (cutting same (tube or	US-PGPUB	14:45
1		pipe))		·
-	293	(rotating near2 cam) and shaft and	USOCR	2004/05/26
		reciprocating and (cutting same (tube or		14:46
1		pipe))		
-	5	("0582689" "2297177" "3777606"	USPAT	2004/09/20
		"4139134" "4926729").PN.		16:05
-	7	5410929.URPN.	USPAT	2004/09/20
	_	/#0202546#		16:05
-	9	("2323546" "3005369" "3180196"	USPAT	2004/09/20
1		"3455196" "3971275" "4043164" "4194422" "4459886" "4913021").PN.	1	16:07
1_	3	"4194422" "4459886" "4913021").PN. 4986154.URPN.	IIGDAT	2004/09/20
=	3	1900134.UNEW.	USPAT	16:08
		I	l	10.00

-	22	("1910627" "3160493" "3316790"	USPAT	2004/09/20
		"3620104" "3824887" "3962939"		16:09
		"4059893" "4452105" "4530452"		
		"4731928" "5010797" "5361489"		
		"5412856" "5481638" "5511305"		1
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		"6311581" "6487939" "6508148"		
		"6577804").PN.		
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1				16:10
 -	0	6688207.URPN.	USPAT	2004/09/20
				16:11
_	26	("2521854" "3903598" "4203539"	USPAT	2004/09/20
		"4216004" "4619387" "4621754"	· · · · · · ·	16:11
		"4644647" "4852244" "4976390"		10.11
		"5031321" "5063672" "5088637"		i
		"5123581" "5125549" "5301868"		
		"5345952" "5351333" "5360464"		
		"5395025" "5501385" "5563974"	•	
		"5838850" "5946986" "5949938"		
		"6023996" "6189757").PN.		
-	0	6695191.URPN.	USPAT	2004/09/20
				16:12
1 _	l 0	6695191.URPN.	USPAT	2004/09/20
	I			16:12
1_	829	83/54	USPAT;	2004/09/20
_	029	03/33	US-PGPUB	16:15
	464	02/54 ggls		2004/09/20
-	404	83/54.ccls.	USPAT;	16:24
		00/100	US-PGPUB	
-	20	83/189.ccls.	USPAT;	2004/09/20
			US-PGPUB	16:25
-	440	83/917.ccls.	USPAT;	2004/09/20
			US-PGPUB	17:15
ĺ -	115	83/\$.ccls. and (tub or pipe) and cutt\$4	USPAT;	2004/09/20
1		and cam and reciprocat\$4	US-PGPUB	17:20
_	17	(tub or pipe) same cutt\$4 same cam same	USPAT;	2004/09/20
		reciprocat\$4	US-PGPUB	17:20
_	280	(tub or pipe) same cutt\$4 same cam	USPAT;	2004/09/20
		,	US-PGPUB	17:28
_	404	(tub or pipe) same cutt\$4 same	USPAT;	2004/09/20
Į.		reciprocat\$4	US-PGPUB	17:42
_	10	"2670795"	USPAT;	2004/09/20
	1	2070733	US-PGPUB	17:45
į	1 14	1121201421	USPAT;	2004/09/20
-	14	"3120143"		17:47
	1	11222402011	US-PGPUB	
-	14	"3234838"	USPAT;	2004/09/20
1		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	US-PGPUB	17:48
-	4	"3455196"	USPAT;	2004/09/20
			US-PGPUB	17:49
-	10	"3762263"	USPAT;	2004/09/20
			US-PGPUB	17:50
-	6	"3921482"	USPAT;	2004/09/20
			US-PGPUB	17:51
_	14	"3924502"	USPAT;	2004/09/20
			US-PGPUB	17:53
_	15	"3971275"	USPAT;	2004/09/20
			US-PGPUB	17:53
_	2	"2704124"	USPAT;	2004/09/21
	[US-PGPUB	08:49
_	905	83/628	USPAT;	2004/09/21
	303	00,000	US-PGPUB	08:49
_	756	83/628.ccls.	USPAT;	2004/09/21
	/30	03/020.0013.	US-PGPUB	09:11
_	000	(nine on tube) same sutted same		
-	986	(pipe or tube) same cutt\$4 same cam	USPAT;	2004/09/21
]		US-PGPUB	09:12
-	96	82/\$.ccls. and (pipe or tube) same cutt\$4	USPAT;	2004/09/21
		same cam	US-PGPUB	09:20
-	464	82/\$.ccls. and (pipe or tube) same cutt\$4	USOCR	2004/09/21
		same cam		09:24
-	136	83/\$.ccls. and (pipe or tube) same cutt\$4	USPAT;	2004/09/21
	<u></u>	same cam	US-PGPUB	09:28

_	66	30/\$.ccls. and (pipe or tube) same cutt\$4 same cam	USPAT; US-PGPUB	2004/09/21 09:29
-	64	29/\$.ccls. and (pipe or tube) same cutt\$4	USPAT;	2004/09/21
_	13	same cam 81/\$.ccls. and (pipe or tube) same cutt\$4	US-PGPUB USPAT;	09:31 2004/09/21
_	4	same cam 411/\$.ccls. and (pipe or tube) same	US-PGPUB USPAT;	09:31 2004/09/21
	14	cutt\$4 same cam	US-PGPUB	09:32
_	14	74/\$.ccls. and (pipe or tube) same cutt\$4 same cam	USPAT; US-PGPUB	2004/09/21 09:33
_	27	74/\$.ccls. and (pipe or tube) same notch\$4 same cam	USPAT; US-PGPUB	2004/09/21 09:35
-	15	81/\$.ccls. and (pipe or tube) same	USPAT;	2004/09/21 09:39
-	8	notch\$4 same cam 82/\$.ccls. and (pipe or tube) same	US-PGPUB USPAT;	2004/09/21
_	44	notch\$4 same cam 83/\$.ccls. and (pipe or tube) same	US-PGPUB USPAT;	09:39 2004/09/21
_	24	notch\$4 same cam 29/\$.ccls. and (pipe or tube) same	US-PGPUB USPAT;	09:44 2004/09/21
		notch\$4 same cam	US-PGPUB	11:19
_	735	(pipe or tube) same notch\$4 same cam	USPAT; US-PGPUB	2004/09/21 09:49
-	734	((pipe or tube) same notch\$4 same cam)	USPAT; US-PGPUB	2004/09/21
-	9	("2526336" "2670795" "2829983"	USPAT	2004/09/21
		"3259003" "3266356" "4082022" "4440052" "4470330" "5896796").PN. ,		10:24
_	2	6128991.URPN.	USPAT	2004/09/21 10:24
-	26	("2192531" "2579675" "2765848" "2776003" "2964984" "3099182"	USPAT	2004/09/21 10:25
		"3120143" "3143018" "3153360"		10.25
		"3180196" "3234838" "3405583" "3410168" "3446105" "3653301"		
		"3938413" "3971275" "4180893" "4194422" "4337680" "4459886"		
		"4476082" "4562760" "4877174"		
-	1	"4930384" "4986154").PN. 5964137.URPN.	USPAT	2004/09/21
_	22	 ("2515260" "2841314" "2984129"	USPAT	10:28 2004/09/21
		"3032867" "3532113" "3687166" "3766979" "3833020" "3863667"		10:29
		"3983897" "4177827" "4215749"		
		"4411459" "4415000" "4434809" "4516593" "4540011" "4552170"		
		"4730636" "4809735" "5152310" "5316037").PN.		
-	6	5620020.URPN.	USPAT	2004/09/21
-	5	("0582689" "2297177" "3777606"	USPAT	2004/09/21
_	7	"4139134" "4926729").PN. 5410929.URPN.	USPAT	10:31 2004/09/21
-	7	5410929.URPN.	USPAT	10:32 2004/09/21
	5	("3495615" "3606565" "3617145"	USPAT	10:33
		"3620115" "0114446").PN.		10:33
_	8	3762263.URPN.	USPAT	2004/09/21 10:33
-	2	("2028578" "2840902").PN.	USPAT	2004/09/21 10:36
-	2	3810402.URPN.	USPAT	2004/09/21
-	22	("1910627" "3160493" "3316790"	USPAT	2004/09/21
:		"3620104" "3824887" "3962939" "4059893" "4452105" "4530452"		10:37
		"4731928" "5010797" "5361489" "5412856" "5481638" "5511305"		
		"5771573" "6115527" "6161289" "6311581" "6487939" "6508148"		
		"6577804").PN.		

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-	0	6688207.URPN.	USPAT	2004/09/21
	0	6699207 UDDN	IICDAM	10:38
-	O	6688207.URPN.	USPAT	2004/09/21
_	3	("0387408" "2704124" "3153360").PN.	USPAT	2004/09/21
				10:42
-	5	4459886.URPN.	USPAT	2004/09/21
	5	(#2507556# #2700117# #212222#	II.C.D.N.M.	10:42
-	5	("2507556" "2780117" "3122033" "4462291" "4485708").PN.	USPAT	2004/09/21 10:43
_	2	4763551.URPN.	USPAT	2004/09/21
				10:43
-	5	'	USPAT	2004/09/21
1_	1	"5187866" "5218883").PN. 5868042.URPN.	USPAT	10:44 2004/09/21
	1	3000042.0RPN.	OSFAI	10:44
-	9	("2304771" "3129624" "3273433"	USPAT	2004/09/21
		"3905264" "4108029" "4109555"		10:45
	2	"4694718" "4766792" "4872384").PN.	Habam.	2004/00/21
-	3	4964328.URPN.	USPAT	2004/09/21 10:45
_	6	("4763503" "4875270" "4926667"	USPAT	2004/09/21
		"5040294" "5085099" "5115663").PN.		10:45
-	1	5187866.URPN.	USPAT	2004/09/21
_	10	 ("2852957" "3447395" "3845667"	USPAT	10:46 2004/09/21
	10	"3869938" "4113006" "4211192"	OSFAI	10:46
		"4269438" "4293995" "4382390"		
		"4597365").PN.		
-	19	4708029.URPN.	USPAT	2004/09/21
_	27	74/\$.ccls. and (pipe or tube) same	USPAT;	2004/09/21
		notch\$4 same cam	US-PGPUB	11:21
-	137	74/10.6.ccls.	USPAT;	2004/09/21
	0.3	02/170	US-PGPUB	11:29
-	83	83/178.ccls.	USPAT; US-PGPUB	2004/09/21 11:31
_	57	83/185.ccls.	USPAT;	2004/09/21
			US-PGPUB	11:32
-	12	83/191.ccls. and cam	USPAT;	2004/09/21
_	30	 83/582.ccls. and cam	US-PGPUB USPAT;	11:36 2004/09/21
	30	os/soz.cers. and cam	US-PGPUB	11:42
_	50	83/588.ccls. and cam	USPAT;	2004/09/21
			US-PGPUB	11:43
-	27	83/627.ccls. and cam	USPAT; US-PGPUB	2004/09/21
_	119	83/628.ccls. and cam	USPAT;	2004/09/21
			US-PGPUB	11:48
-	38	83/914.ccls. and cam	USPAT;	2004/09/21
1_	19	83/916.ccls. and cam	US-PGPUB USPAT;	11:49 2004/09/21
		Joseph and Cam	US-PGPUB	11:49
-	55	83/917.ccls. and cam	USPAT;	2004/09/21
		/#1420070# #1764100# #2254700#	US-PGPUB	11:49
-	3	("1432073" "1764129" "3084580").PN.	USPAT	2004/09/21 11:51
_	3	4750393.URPN.	USPAT	2004/09/21
				11:52
-	20	("2783838" "2919794" "3527422"	USPAT	2004/09/21
		"3760674" "3854356" "3999715" "4002307" "4007884" "4014476"		11:53
		"4002307" "4007884" "4014476" "4023741" "4033519" "4052017"		
		"4099679" "4108388" "4157048"		
		"4491282" "4496109" "4716801"		
_	2	"4789277" "4872381").PN. 5033345.URPN.	IISDAT	2004/09/21
		JUJJJAJ.UREN.	USPAT	11:53
-	2	5033345.URPN.	USPAT	2004/09/21
				11:59

	1	L (#001000F# L #07222F0# L #1210177# .	Lianim	12004/00/21
-	12	("0018025" "0723358" "1318177"	USPAT	2004/09/21
		"1848642" "2672682" "4036092"		12:00
		"4130034" "4468995" "4483223"		ĺ
	_	"4750393" "4813314" "4881399").PN.		0004/00/01
-	7	5609081.URPN.	USPAT	2004/09/21
	_			12:01
-	7	5609081.URPN.	USPAT	2004/09/21
	0140			12:03
_	2148	punch same cam	USPAT;	2004/09/21
	605		US-PGPUB	16:21
_	695	punch same cam same shaft	USPAT;	2004/09/21
	1 111	03/3 3 3	US-PGPUB	16:21
_	141	83/\$.ccls. and punch same cam same shaft	USPAT;	2004/09/21
		00/0	US-PGPUB	16:34
_	0	82/\$.ccls. and punch same cam same shaft	USPAT;	2004/09/21 16:34
_	1	01/6 cals and nunch same same same	US-PGPUB USPAT;	2004/09/21
_	1	81/\$.ccls. and punch same cam same shaft	US-PGPUB	16:34
l _	110	20/5 ggls and numbh same same shoft	USPAT;	2004/09/21
	110	29/\$.ccls. and punch same cam same shaft	US-PGPUB	16:40
1_	32	74/\$.ccls. and punch same cam same shaft	USPAT;	2004/09/21
-	32	7479.CCIS. and punch same cam same share	US-PGPUB	16:42
l _	107	72/\$.ccls. and punch same cam same shaft	USPAT;	2004/09/21
_	107	1 /2/ V. CCIS. and punch same cam same share	US-PGPUB	16:46
l _	49	72/\$.ccls. and punch same cam same piston	USPAT;	2004/09/21
	30	72/V.CCIS. and punch same cam same piscon	US-PGPUB	17:04
_	4	("2725916" "4306443" "4550588"	USPAT	2004/09/21
	•	"4691553").PN.		17:04
l _	0	5022255.URPN.	USPAT	2004/09/21
		O D D D O O O O O O O O O O O O O O O O		17:04
_	429	83/\$.ccls. and punch same cam	USPAT;	2004/09/21
			US-PGPUB	17:05
_	288	(83/\$.ccls. and punch same cam) not	USPAT;	2004/09/21
	1	(83/\$.ccls. and punch same cam same	US-PGPUB	17:05
		shaft)		
-	12	("0018025" "0723358" "1318177"	USPAT	2004/09/21
		"1848642" "2672682" "4036092"		18:11
	["4130034" "4468995" "4483223"		
		"4750393" "4813314" "4881399").PN.		
-	7	5609081.URPN.	USPAT	2004/09/21
				18:12
-	4	("2725916" "4306443" "4550588"	USPAT	2004/09/21
		"4691553").PN.		18:17
-	0	5022255.URPN.	USPAT	2004/09/21
				18:18
-	0	5022255.URPN.	USPAT	2004/09/21
				18:18
-	2	("4819021" "4988030").PN.	USPAT	2004/09/21
				18:18
-	6	5628502.URPN.	USPAT	2004/09/21
	1		1	18:19